sending the demographic information about each customer on the queue to an advertising server;

receiving commercial messages from the advertising server, the commercial messages being selected based on the demographic information of the customers provided with access to the LAN; and

sending the commercial messages to at least one display connected to the access node of the LAN at the commercial establishment for viewing by all persons at the commercial establishment including the customers provided with the access to the LAN.

REMARKS

Initially, in the Office Action dated October 3, 2002, the Examiner has rejected claims 1-42 under 35 USC §102(e) as being anticipated by U.S. Patent No. 6,418,138 (Cerf et al.).

By the present response, Applicants have amended claims 1, 18, 27, 33, 37 and 39 to further clarify the invention. Claims 1-42 remain pending in the present application.

35 USC §102 Rejections

Claims 1-42 have been rejected under 35 USC §102(e) as being anticipated by Cerf et al. Applicants respectfully traverse these rejections.

Cerf et al. discloses an Internet radio communication system that includes mobile units distributed within a wireless communication network which are connected to a packet switched network (e.g., the Internet) via a proxy server. The proxy server converts unicast data packets coming from the packet switched

network to multicast data packets being transmitted to the mobile units, and is also responsible for the overall management and control of the communication system.

Regarding claims 1, 18, 27, 33 and 39, Applicants submit that Cerf et al. does not disclose or suggest the limitations in the combination of each of these claims of, inter alia, providing public wireless network access that includes sending user information from a mobile device to an access node of a LAN where the user information includes identification and demographic information about a user of each of the mobile devices, or providing access to the LAN to the one or more mobile devices in response to receiving the demographic information about the user of the mobile devices by the access node of the LAN, or receiving commercial messages at the location of the mobile device through a gateway and advertising server where the commercial messages are selected based on the demographic information of the users that were provided access to the LAN, or sending the commercial messages to one or more displays connected to the access mode of the LAN at the location for viewing by all persons at the location including the users that were provided access to the LAN.

According to the present invention, a user is allowed to access a communication network through a local area communication node in exchange for providing their personal demographic information. The user does not pay for access to the network, but rather access is subsidized by local display advertising, viewable by multiple users at a location. In contrast, Cerf et al. discloses a wireless network where the user pays for the access (see col. 1, lines 54-60). Moreover, Cerf et al. does not disclose or suggest anything related to demographic information being sent to a LAN, demographic information being used to provide access to a LAN, or

demographic information being used to select commercial messages transmitted to and displayed to users and others at a location. Further, Cerf et al. does not disclose or suggest permitting or denying access to a communication network as recited in the claims of the present application. The Examiner asserts that Cerf et al. discloses sending user information from a mobile device where the user information includes identification and demographic information about a user, in the abstract, and at col. and col. 2, lines 35-45, and col. 4, lines 51-67. However, these sections of Cerf et al. merely disclose the wireless communication network of Cerf et al. where unicast data packets are converted to multicast data packets being transmitted to mobile units. These portions of Cerf et al. do not disclose or suggest anything related to demographic information about a user as recited in the claims of the present application.

Further, the Examiner asserts that Cerf et al. discloses sending demographic information about users of a mobile device to an advertising server at the abstract, col. 3, lines 37-59, and col. 5, lines 45-56. However, the abstract just discloses the conversion noted previously, the cited portion of col. 3 merely discloses details about the Internet radio 4 of Fig. 3 and that the user may enter and select a website by pushing buttons on a keyboard, and the portion at col. 5 merely discloses that mobile units willing to receive multicast messages need to inform their neighboring multicast aware radio transceivers that they are interested in receiving multicast messages sent to certain multicast groups. This is not sending demographic information about users of a mobile device to an advertising server as recited in the claims of the present application.

Moreover, Cerf et al. does not disclose or suggest anything related to displaying commercial messages on one or more displays connected to a LAN for viewing by all persons at a particular location, or commercial messages being displayed having been selected based on demographic information of users. Cerf et al. is related to a system for transmitting data between a mobile unit and the Internet using a multicasting transmission method if more than one user selects the same Internet service (see col. 2, lines 25-29). Cerf et al. does not disclose or suggest anything related to displaying commercial messages. The Examiner asserts that Cerf et al. discloses sending commercial messages to a display at a location for viewing by users at the abstract, col. 1, lines 12-65, and col. 3, lines 37-59. However, col. 1 (Background of the Invention) merely discusses details of the Ricochet wireless network, and the cited portions of col. 3 discloses the Internet radio 4 as noted previously. These portions of Cerf et al. do not disclose or suggest sending commercial messages to a display at a location of users for viewing by users as recited in the claims of the present application. Moreover, in Cerf et al., data is sent to each mobile unit separately using multicasting, in contrast to commercial messages being sent to one or more displays for viewing by all persons at a location, as recited in the claims of the present application.

Regarding claims 2-17, 19-26, 28-32, 34-38, and 40-42, Applicants submit that these claims are dependent on one of independent claims 1, 18, 27, 33 and 39 noted previously and, therefore, are patentable at least for the same reasons noted regarding these independent claims.

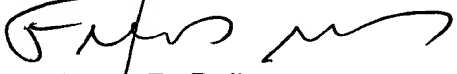
Accordingly, Applicants submit that Cerf et al. does not disclose or suggest the limitations in the combination of each of claims 1-42 of the present application.

Applicants respectfully request that these rejections be withdrawn and that these claims be allowed.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

To the extent necessary, Applicant petitions for an extension of time under 37 CFR §1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees and excess claim fees, to Deposit Account No. 01-2135 (referencing case No. 017.38896X00) and please credit any excess fees to such deposit account.

Respectfully submitted,



Frederick D. Bailey
Registration No. 42,282
ANTONELLI, TERRY, STOUT & KRAUS, LLP

FDB/pay
(703) 312-6600

Version with markings to show changes made

IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) A method for public wireless network access comprising:

detecting the presence of a Local Area Network (LAN) with at least one mobile device at a location;

requesting identification information from each at least one mobile device through [a] an access node of the LAN;

sending user information from each at least one mobile device to the access node, the user information including identification and demographic information about a user of each at least one mobile device;

[receiving] providing access to the LAN [with] to the at least one mobile device in response to receiving the demographic information about the user of said at least one mobile device by the access node of the LAN;

accessing a global communication data network through a gateway of the LAN with the at least one mobile device;

sending the demographic information about the users of the at least one mobile devices at the location provided with the access to the LAN to an advertising server;

receiving commercial messages at the location through the gateway from the advertising server, the commercial messages being selected based on the demographic information of the users provided with the access to the LAN; and

sending the commercial messages to [a] at least one display connected to the access node of the LAN at the location for viewing by all persons at the location

including the users provided with the access to the LAN.

18. (Amended) A system for providing public wireless Internet access comprising:

a hub, the hub operatively connected to a global communication data network through a gateway;

[a] at least one display device operatively connected to the hub, the at least one display device displaying commercial messages from an advertising server connected to the global communication data network; and

a Local Area Network (LAN) operatively connected to the hub,

wherein the hub provides public wireless access to the global communication data network by allowing mobile devices in proximity to the system access to the LAN and the hub, the access to the global communication data network being free to the public due to the displaying of the commercial messages on the at least one display.

27. (Amended) An article comprising a storage medium having instructions stored therein, the instructions when executed causing a processing device to perform:

requesting identification information from at least one mobile device by a hub on a Local Area Network (LAN), the requesting occurring after the at least one mobile device at a location detected the presence of the LAN and requested access through an access node of the LAN;

receiving user information from each at least one mobile device at the hub,

the user information including identification and demographic information about a user of each at least one mobile device;

giving access to the LAN to the at least one mobile device in response to receiving the demographic information about the user of said at least one mobile device by the access node of the LAN;

making a global communication data network accessible through the hub on the LAN to the at least one mobile device;

sending the demographic information about the users of the at least one mobile devices at the location provided with access to the LAN to an advertising server;

receiving commercial messages at the hub from the advertising server, the commercial messages being selected based on the demographic information of the users provided with the access to the LAN; and

sending the commercial messages to [a] at least one display connected to the access node of the LAN at the location for viewing by all persons at the location including the users provided with the access to the LAN.

33. (Amended) A processing device having instructions stored therein, the processing device connected to a Local Area Network (LAN), the instructions when executed causing the processing device to perform:

requesting identification information from at least one mobile device by the processing device, the requesting occurring after the at least one mobile device at a location detected the presence of the LAN and requested access through an access node of the LAN;

receiving user information from each at least one mobile device at the processing device, the user information including identification and demographic information about a user of each at least one mobile device;

giving access to the LAN to the at least one mobile device in response to receiving the demographic information about the user of said at least one mobile device by the access node of the LAN;

making a global communication data network accessible through the processing device on the LAN to the at least one mobile device;

sending the demographic information about the users of the at least one mobile devices at the location provided with access to the LAN to an advertising server;

receiving commercial messages at the processing device from the advertising server, the commercial messages being selected based on the demographic information of the users provided with the access to the LAN; and

sending the commercial messages to [a] at least one display connected to the access node of the LAN at the location for viewing by all persons at the location including the users provided with the access to the LAN.

37. (Amended) The [method] processing device according to claim 33, wherein the LAN comprises a Bluetooth network.

39. (Amended) A method for public wireless paying network access comprising:

selecting items to purchase at a commercial establishment by a customer;

sending user information from a mobile device of the customer to a Local Area Network (LAN) at the commercial establishment through an access node of the LAN, the user information including identification and demographic information about the customer;

placing identification information for the customer into a queue, the queue identifying customers ready to purchase items selected by each customer, the customer identification information being placed on the queue in a chronological order, the contents of the queue being displayed at the commercial establishment for viewing by all [customers] persons;

sending the demographic information about each customer on the queue to an advertising server;

receiving commercial messages from the advertising server, the commercial messages being selected based on the demographic information of the customers provided with access to the LAN; and

sending the commercial messages [being displayed] to at least one display connected to the access node of the LAN at the commercial establishment for viewing by all persons at the commercial establishment including the customers provided with the access to the LAN.